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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

CITATION FORM

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Attorney Docket No.

Serial No. 08/446,431

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Applicant(s)

John C. Harvey and James W. Cuddihy

Group 2600

Filing Date

Group Art Unit

May 22, 1995 2699

UNITED STATES PATENT DOCUMENTS

UNITED STATES PATENT DOCUMENTS					
EXAMINER	PATENT	PATENT		CLASS/	FILING
INITIAL	NUMBER	DATE	NAME	SUBCLASS	DATE*
	1,927,702	September 19, 1933	Foss	705/36	December 3, 1932
	2,511,085	June 13, 1950	Smith	381/104	November 15, 1946
·	2,573,349	October 30, 1951	Miller et al.	725/14	December 9, 1949
	2,769,023	October 30, 1956	Loew et al.	725/143	January 19, 1950
	2,788,387	April 9, 1957	Druz	380/320	October 2, 1951
	2,864,865	December 16, 1958	Morris	568/430	May 4, 1955
	2,866,962	December 30, 1958	Ellet	380/227	December 6, 1955
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	3,008,000	November 7, 1961	Morchand	725/138	September 11, 1958
	3,016,091	January 9, 1962	Daniele	162/391	August 11, 1960
	3,071,642	January 1, 1963	Mountjoy et al.	725/151	February 21, 1957
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	3,609,697	September 28, 1971	Blevins et al.	717/2	October 21, 1968
	3,627,914	December 14, 1971	Davies	348/722	September 4, 1969
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	3,693,090	September 29, 1972	Gabriel	725/1	August 8, 1969
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3,736,369 May 29, 1973 Vogelman et al. 380/228 March 13, 1972 3,744,043 July 3, 1973 Walden et al. 340/870.7 June 1, 1971 3,746,780 July 17, 1973 Stetten et al. 36/95 February 25, 1971 3,749,845 July 31, 1973 Fraser 370/433 August 27, 1971 3,754,211 August 21, 1973 Rocher et al. 714/749 December 30, 1971 3,755,624 August 28, 1973 Sekimoto 348/495 April 22, 1971 3,755,225 September 4, 1973 Ukicki 725/1 March 16, 1972 3,761,888 September 25, 1973 Flynn 710/18 August 3, 1972 3,773,977 November 20, 1973 Guanella 380/36 June 21, 1971 3,777,053 December 4, 1973 Wittig et al. 380/228 May 16, 1972 3,789,359 March 19, 1974 Newell 386/98 May 16, 1972 3,798,359 March 19, 1974 Feistel 380/37 June 30, 1971 3,798,610 March 19, 1974 Forbes 725/119, 20, 1972 3,806,814 April 23, 1974 Forbes 725/119, April 26, 1972 3,819,852 June 24, 1974 Wolf 348/478 August 29, 1972 3,824,332 July 16, 1974 French 380/35 December 1, 1972 3,825,893 July 23, 1974 Forbes 725/119 April 26, 1972 3,825,893 July 23, 1974 Forbes 725/144 April 10, 1972 3,825,893 July 23, 1974 Forbes 725/144 April 10, 1972 3,825,893 July 23, 1974 Forbes 725/144 April 10, 1972 3,825,893 July 23, 1974 Forbes 725/144 April 10, 1972 3,825,893 July 23, 1974 Forbes 725/144 April 10, 1972 3,825,893 July 23, 1974 Forbes 725/144 April 10, 1972 3,825,893 July 23, 1974 Forbes 725/144 April 10, 1972 3,825,893 July 23, 1974 Forbes 725/144 April 10, 1972 3,825,893 July 23, 1974 Forbes 725/144 April 10, 1972 3,825,893 July 23, 1974 Forbes 725/144 April 10, 1972 3,825,893 July 23, 1974 Forbes 725/144 April 10, 1972 3,825,893 July 23, 1974 Forbes 725/144 April 10, 1972 3,825,893 July 23, 1974 Forbes 725/144 April 10, 1972 3,825,893 July 23, 1974 Forbes 725/144 April 10, 1972 3,825,893 July 23, 1974 Forbes 725/144 April 10, 1972 3,825,893 July 24, 1975 Forbes 725/144 April 10, 1973 3,841,196 October 7, 1975 Forbes 725/144 April 10, 1973 3,894,491 July 14, 1975 Majeau et al. 380/274 November 15, 1973 3,991,512 September 30, 1975 Omori et al. 380/274 November 71, 1973 3,991,514 October 7, 19			\			
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3,956,615 May 11, 1976 Anderson et al. 705/72 June 25, 1974		3,949,313	April 6, 1976	Tamada et al.	341/50	
		3,956,615	May 11, 1976	Anderson et al.	705/72	June 25, 1974





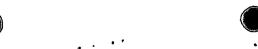


EXAMINER INITIAL	PATENT NUMBER	PATENT DATE	NAME	CLASS/ SUBCLASS	FILING DATE*
HALLIAG	4,237,484	December 2, 1980	Brown et al.	375/240.12	August 8, 1979
	4,237,486	December 2, 1980	Shimp	348/475	November 9, 1978
	4,245,246	January 13, 1981	Cheung	380/235	August 3, 1978
	4,247,106	January 27, 1981	Jeffers et al.	463/29	April 12, 1978
	4,250,489	February 10, 1981	Dudash et al.	340/825.02	October 31, 1978
	4,250,521	February 10, 1981	Wright	348/616	June 19, 1979
	4,250,524	February 10, 1981	Tomizawa	380/232	February 22, 1979
	4,251,691	February 17, 1981	Kakihara et al.	348/14.01	December 1, 1978
	4,253,114	February 24, 1981	Tang et al.	380/212	September 26, 1978
	4,253,157	February 24, 1981	Kirschner et al.	707/104	September 29, 1978
	4,262,329	April 14, 1981	Bright et al.	713/164	March 27, 1978
	4,264,925	April 28, 1981	Freeman et al.	725/138	August 13, 1979
	4,266,243	May 5, 1981	Shutterly	380/236	April 25, 1979
	4,275,411	June 23, 1981	Lippel	348/472	April 19, 1978
	4,283,602	August 11, 1981	Adams et al.	380/41	September 23, 1968
	4,284,976	August 18, 1981	Gable et al.	340/825.43	June 7, 1979
	4,286,281	August 25, 1981	Suzuki	386/12	September 26, 1979
	4,287,592	September 1, 1981	Paulish et al.	370/403	May 23, 1979
	4,288,809	September 8, 1981	Yabe	348/468	May 21, 1980
İ	4,290,141	September 15, 1981	Anderson et al.	725/24	July 2, 1979
	4,295,223	October 13, 1981	Shutterly	455/72	April 25, 1979
	4,302,771	November 24, 1981	Gargini	725/119	July 23, 1980
	4,304,990	December 8, 1981	Atalla	380/45	February 4, 1980
	4,305,131	December 8, 1981	Best	345/327	March 31, 1980
	4,306,289	December 15, 1981	Lumley	713/190	February 4, 1980
	4,306,305	December 15, 1981	Doi et al.	714/755	October 19, 1979
	4,307,446	December 22, 1981	Barton et al.	710/131	May 2, 1979
	4,310,854	January 12, 1982	Baer	348/484	August 28, 1979
	4,312,016	January 19, 1982	Glaab et al.	348/706	February 2, 1979
	4,313,132	January 26, 1982	Doles et al.	725/26	October 31, 1979
	4,314,367	February 2, 1982	Bakka et al.	370/422	January 17, 1980
	4,316,055	February 16, 1982	Feistel	380/37	December 30, 1976
	4,316,245	February 16, 1982	Luu et al.	709/106	December 7, 1978
	4,317,215	February 23, 1982	Tabata et al.	725/131	September 11, 1979
	4,318,125	March 2, 1982	Shutterly	380/236	April 25, 1979
	4,319,079	March 9, 1982	Best	713/190	January 17, 1980
	4,322,745	March 30, 1982	Saeki et al.	380/242	March 21, 1980
	4,323,921	April 6, 1982	Guillou	705/53	January 23, 1980
	4,323,922	January 6, 1982	de Toonder et al.	380/226	December 17, 1979
	4,325,078	April 13, 1982	Seatom et al.	380/230	November 20, 1979
	4,329,675	May 11, 1982	Van Hulle	725/32	September 23, 1980
	4,329,684	May 11, 1982	Monteath et al.	345/180	January 15, 1980
	4,330,794	May 18, 1982	Sherwood	380/206	February 25, 1980
	4,332,980	June 1, 1982	Reynolds et al.	370/259	May 30, 1980
	4,334,242	June 8, 1982	Mangold	386/46	January 14, 1980



EXAMINER	PATENT	PATENT	A14545	CLASS/	FILING
INITIAL	NUMBER 4 336 553	DATE	NAME den Toonder et al.	SUBCLASS	DATE*
	4,336,553	June 22, 1982		380/206	May 14, 1980
	4,336,559	June 22, 1982	Koyama et al.	260/73.05	November 9, 1978
	4,337,480	June 29, 1982 July 6, 1982	Bourassin et al.	348/552	February 8, 1980
	4,338,628		Payne et al.	380/213	December 19, 1979
	4,339,798	July 13, 1982	Hedges et al.	463/26	December 17, 1979
<u> </u>	4,340,903	July 20, 1982	Tamura	348/187	August 6, 1980
	4,343,042 4,347,498	August 3, 1982	Schrock et al.	725/116	June 9, 1979
		August 31, 1982	Lee et al.	340/825.02	November 21, 1979
	4,347,532	August 31, 1982	Korver	348/565	October 14, 1980
	4,353,088	October 5, 1982	den Toonder et al.	380/206	May 14, 1980
	4,354,201	October 12, 1982	Sechet et al.	380/228	June 11, 1980
<u> </u>	4,360,828	November 23, 1982	Briggs, Jr. et al	725/114	August 7, 1978
	4,361,851	November 30, 1982	Asip et al.	725/14	January 4, 1980
	4,361,877	November 30, 1982	Dyer et al.	702/176	February 5, 1980
	4,364,081	December 14, 1982	Hashimoto et al.	348/617	April 16, 1981
<u> </u>	4,365,110	December 21, 1982	Lee et al.	380/28	June 5, 1979
	4,367,548	January 4, 1983	Cotten, Jr. et al.	359/125	April 10, 1980
	4,367,557	January 4, 1983	Stern et al.	725/149	May 25, 1979
	4,368,483	January 11, 1983	Liu	348/617	June 22, 1981
	4,368,486	January 11, 1983	Degoulet et al.	348/598	February 25, 1981
	4,374,437	February 15, 1983	Citta et al.	455/164.2	December 29, 1980
	4,375,579	March 1, 1983	Davida et al.	380/28	January 30, 1980
	4,375,651	March 1, 1983	Templin et al.	348/731	July 27, 1981
	4,378,470	March 29, 1983	Murto, el al.	379/93.05	March 25, 1981
	4,379,205	April 5, 1983	Wyner	380/28	June 22, 1979
	4,385,324	May 24, 1983	Shioda et al.	348/781	November 16, 1981
	4,388,643	June 14, 1983	Aminetzah	380/239	April 6, 1981
	4,388,645	June 14, 1983	Cox et al.	348/468	April 13, 1981
	4,388,664	June 14, 1983	Ishman et al.	361/93.6	August 3, 1981
	4,389,671	June 21, 1983	Posner et al.	380/235	September 29, 1980
	4,390,898	June 28, 1983	Bond et al.	380/241	March 23, 1981
	4,394,691	July 19, 1983	Amano et al.	348/734	July 30, 1981
	4,394,762	July 19, 1981	Nabeshima	714/758	January 6, 1981
	4,395,757	July 26, 1983	Bienvenu et al.	709/104	April 14, 1981
	4,396,915	August 2, 1983	Farnsworth et al.	340/870.03	March 31, 1980
	4,396,946	August 2, 1983	Bond	380/226	March 23, 1981
	4,396,947	August 2, 1983	Cheung	380/222	March 26, 1980
	4,398,216	August 9, 1983	Field et al.	380/238	September 19, 1980
	4,400,587	August 23, 1983	Taylor et al.	379/113	August 25, 1981
	4,405,942	September 20, 1983	Block et al.	380/214	March 3, 1982
	4,410,917	October 18, 1983	Newdoll et al.	360/15	September 14, 1981
	4,413,339	November 1, 1983	Riggle et al.	714/765	July 24, 1981
	4,415,771	November 15, 1983	Martinez	379/43	April 3, 1981
	4,422,093	December 20, 1983	Pargee, Jr.	725/115	January 27, 1983
	4,424,532	January 3, 1984	den Toonder et al.	380/226	May 9, 1983





EXAMINER INITIAL	PATENT NUMBER	PATENT DATE	NAME	CLASS/ SUBCLASS	FILING DATE*
	4,425,581	January 10, 1984	Schweppe et al.	348/510	April 17, 1981
	4,433,207	February 21, 1984	Best	713/190	September 10, 1981
	4,434,323	February 28, 1984	Levine et al.	380/260	June 29, 1981
	4,434,436	February 28, 1984	Kleykamp et al.	380/209	July 13, 1981
	4,434,464	February 28, 1984	Suzuki et al.	711/164	March 31, 1981
	4,439,784	March 23, 1984	Furukawa et al.	725/25	September 26, 1980
	4,446,519	May 1, 1984	Thomas	711/164	May 26, 1981
	4,449,246	May 15, 1984	Seiler et al.	455/9	May 2, 1980
	4,455,570	June 19, 1984	Saeki, et al.	725/92	October 13, 1981
	4,461,002	July 17, 1984	Nanko	714/798	January 19, 1982
	4,464,679	August 7, 1984	Wargo	348/510	July 6, 1981
	4,467,139	August 21, 1984	Mollier	713/181	March 12, 1981
	4,467,356	August 21, 1984	McCoy	348/385.1	September 24, 1981
	4,471,163	September 11, 1984	Donald et al.	705/55	October 5, 1981
	4,471,164	September 11, 1984	Henry	380/30	October 13, 1981
	4,472,801	September 18, 1984	Huang	370/411	March 28, 1983
	4,473,824	September 25, 1984	Claytor	340/825.27	July 22, 1983
	4,475,123	October 2, 1984	Dumbauld et al.	380/211	April 2, 1981
	4,484,218	November 20, 1984	Boland et al.	725/131	April 29, 1981
	4,486,853	December 4, 1984	Parsons	345/418	April 1, 1981
	4,492,820	January 8, 1985	Kennard et al.	379/46	October 24, 1980
	4,500,987	February 19, 1985	Hasegawa	370/462	November 23, 1982
	4,506,387	March 19, 1985	Walter	359/118	May 25, 1983
	4,513,174	April 23, 1985	Herman	711/214	March 19, 1981
	4,518,989	May 21, 1985	Yabiki et al.	725/92	September 30, 1982
	4,528,588	July 9, 1985	Lofberg	340/5.1	May 18, 1982
	4,528,589	July 9, 1985	Block et al.	380/241	February 1, 1984
	4,538,176	August 27, 1985	Nakajima et al.	725/119	November 26, 1979
	4,567,359	January 28, 1986	Lockwood	235/381	May 24, 1984
	4,580,134	April 1, 1986	Campbell et al.	345/152	November 16, 1982
	4,593,353	June 3, 1986	Pickholtz	705/55	October 26, 1981
	4,598,288	July 1, 1986	Yarbrough et al.	340/5.74	December 20, 1983
	4,599,644	July 8, 1986	Fischer	725/21	October 25, 1984
	4,611,227	September 9, 1986	Brockhurst et al.	348/468	November 22, 1982
	4,614,971	September 30, 1986	Maney et al.	348/466	January 5, 1983
	4,631,585	December 23, 1986	Wine	348/510	May 7, 1984
	4,636,851	January 13, 1987	Drury et al.	380/215	December 12, 1983
	4,647,974	March 3, 1987	Butler et al.	358/185	April 12, 1985
	4,677,552	June 30, 1987	Sibley, Jr.	705/37	October 5, 1984
	4,677,685	June 30, 1987	Kurisu	725/151	July 16, 1985
	4,680,797	July 14, 1986	Benke et al.	704/211	June 26, 1984
	4,682,292	July 21, 1987	Bue et al.	701/35	July 23, 1984
	4,688,105	August 18, 1987	Bloch et al.	386/38	May 10, 1985
	4,689,661	August 25, 1987	Barbieri et al.	375/240.01	June 22, 1981
Ī	4,706,109	November 10, 1987	Murray	348/481	May 30, 1985

EXAMINER	PATENT	PATENT		CLASS/	FILING
INITIAL	NUMBER	DATE	NAME	SUBCLASS	DATE*
	4,706,282	November 10, 1987	Knowd	713/168	December 23, 1985
	4,742,516	May 3, 1988	Yamaguchi	370/312	January 10, 1986
	4,742,543	May 3, 1988	Fredericksen	380/237	July 10, 1986
	4,744,080	May 10, 1988	Brennand et al.	380/212	February 27, 1986
	4,748,619	May 31, 1988	Vigarie et al.	370/349	February 20, 1987
_	4,772,887	September 20, 1988	Dunkerton	340/825.48	August 5, 1983
	4,774,583	September 27, 1988	Kellar et al.	348/585	February 6, 1985
	4,782,387	November 1, 1988	Sabri et al.	375/240.21	December 9, 1986
	4,809,267	February 28, 1989	Higuchi et al.	370/460	June 29, 1987
	4,814,756	March 21, 1989	Chauvel	345/565	January 28, 1987
	4,831,526	May 16, 1989	Luchs et al.	705/4	April 22, 1986
	4,835,777	May 30, 1989	DeLuca, et al.	714/822	January 7, 1987
	4,908,713	March 13, 1990	Levine	386/83	June 29, 1988
	4,942,616	July 7, 1990	Linstroth et al.	704/275	September 9, 1985
	4,963,994	October 16, 1990	Levine	386/83	February 23, 1990
	RE 31,182	March 15, 1983	Crager et al.	178/3	October 11, 1979
	RE 31,735	November 13, 1984	Davidson	380/235	July 26, 1982
	RE 32,326	January 6, 1987	Nagel et al.	348/463	May 19, 1983

* If Pertinent

FOREIGN PATENT DOCUMENTS

EXAMINER	DOCUMENT	PUBLICATION		CLASS/	TRANSL	ATION
INITIAL	NUMBER '	DATE	COUNTRY	SUBCLASS	YES	NO
	1,556,366		UK			
	2,853,764		DE			
	2,904,981		Germany			
	3,143,627		Germany			
	60-146587		JP			
	AU 74,619		AU			
	DE 2,904,891		DE			
	DE 2338380		DE			
	DE 2918846		DE			
	DE 3,143,627		DE			
	DT 2,550,624 A1		Germany			
	DT 255,024		DT			
	EP 187,417	16-Jul-86	EP			
	EP 55674		EP			
	FR 79-03351	Feb-79	FR			
	GB 1,370,535		GB		ļ	
	GB 1,515,309	21-Jun-78	GB			
	GB 1554411		GB			
	GB 2,016,874	Feb-79	GB			
	GB 2,140,963		GB			
	GB 2034995		GB			

EXAMINER	DOCUMENT	PUBLICATION		CLASS/	TRANSLATION
INITIAL	NUMBER	DATE	COUNTRY	SUBCLASS	YES NO
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